App Serial # 09/714,883 Turner & Mathur

Exhibit R LEX-0092-USA

Novel Human Secreted Proteins and Polypeptides Encoding The Same

FASTA searches a protein or DNA sequence data bank version 3.3t05 March 30, 2000 Please cite: W.R. Pearson & D.J. Lipman PNAS (1988) 85:2444-2448 /tmp/fastaCAAQPaiHi: 995 aa >SEQ ID NO:2 vs /tmp/fastaDAARPaiHi library searching /tmp/fastaDAARPaiHi library 1008 residues in 1 sequences FASTA (3.34 January 2000) function [optimized, BL50 matrix (15:-5)] ktup: 2 join: 39, opt: 27, gap-pen: -12/ -2, width: 16 Scan time: 0.050 The best scores are: NM_000096 ACCESSION:NM_000096 NID: gi 4557484 ref (1008) 2671 >>NM_000096 ACCESSION:NM_000096 NID: gi 4557484 ref NM_0 (1008 aa) initn: 1414 init1: 972 opt: 2671 Smith-Waterman score: 3980; 57.002% identity in 1014 aa overlap (1-992:1-1008) 50 40 30 20 MKILILGIFLFLCSSPGWAIDRHCYIGIEESIWNYAPSGKNMLNEKPFSEDLE----FLQ 10 SEO NM_000 MKILILGIFLFLCSTPAWAKEKHYYIGIIETTWDYA---SDHGEKKLISVDTEHSNIYLQ 40 20 10 100 90 80 70 60 GGQARKSFVFKKALYFQYTDNTFQRIIEKPSWLGFLGPMIKAETGDFIYVHVKNNASRAY SEO NM_000 NGPDRIGRLYKKALYLQYTDETFRTTIEKPVWLGFLGPIIKAETGDKVYVHLKNLASRPY 90 - 80 70 60 160 150 130 140 SYHPHGLTYSKENEAHGAIYPDNTTGLQKEVEYLEPGKQYTYKWYVEEHQGPGPNDSNCV SEQ NM_000 TFHSHGITYYKEHE--GAIYPDNTTDFQRADDKVYPGEQYTYMLLATEEQSPGEGDGNCV 160 150 140 130 120 220 210 200 190 TRIYHSHIDTARDVASGLIGPILTCKRGTLNGDTEKDIDRSSFLMFSTTDESRSWYSDEN SEQ .:::..:: NM_000 TRIYHSHIDAPKDIASGLIGPLIICKKDSLDKEKEKHIDREFVVMFSVVDENFSWYLEDN 210 200 190 280 270 260 250 IRAF-TESGKINTSDPRFEESMSMQSINGYIYGNLPNLTMCAEDRVQWYFVGMGGVADIH 240 SEO NM_000 IKTYCSEPEKVDKDNEDFQESNRMYSVNGYTFGSLPGLSMCAEDRVKWYLFGMGNEVDVH 270 260 250 240 350 340 330 320 300 310 PVYLRGQTLISRNHRKDTIMLFPSSLEDAFMVAKAPGVWMLGCQ----IHESMQAFFKVS SEQ NM_000 AAFFHGQALTNKNYRIDTINLFPATLFDAYMVAQNPGEWMLSCQNLNHLKAGLQAFFQVQ

330

320

310

300

	360	370	380	390	400		
CEO	MOONDOWENEN	TGTHVIHYYI	AAKEILWNY	APSGIDFFT1	KKNLTAAGSI	KSQLFFERSPTR	
SEQ	_			:::::::::	: . : : : : : : : :		
000	DONING CONDING	DCKM/DHAAL	AAEETTWNY	APSGIDIFT	KENLTAPGSI	OSAVFFEQGTTR	
ИМ_000	360	370	380	390	400	410	
	420	430	4		4 50	460	
SEQ	TOOMWUUT TYD	ድላጥከል ፍድብጥብ	KAREEH	LGILGPVFK	AEVGQTIKIT	FYNNASLPLSI	
				:::::::.	: : : : . : :		
NM 000	IGGSYKKLVYR	EYTDASFTNR	KERGPEEEH	[FGTFG5ATM	4EAGDITYA:	rfhnkgayplsi 470	
	420	430	440	450	460	470	
	470 48	0	490	500	510	520	
	470 48	U TO CT TO VE TO	PCC-STPPF	SSHVSPGTT	FVYTWEVPKI	OVGPTSTDPNCL	
SEQ				. : : : . :	: . : : : : : :		
	.: :::::		DOGDGWDDG	A SHVAPTET	FTYEWTVPKI	EVGPTNADPVCL 530	
NM_000		EGIII SENIN	500	510	520	530	
	480	490	300	320			•
	530	540	550	560	570	580	
SEQ	MINISTRY CCI INICK	KULNSCIT'CD	LLICRNGSL	GDDGKQKGV	DKEFYLLAT:	IFDENESNLLDE	
· -				. : . : : :			
ND4 000	» KMVVS MDPT	KDIFTGLIGP	MKICKKGSI	HANGRQKDV	DKEFYLFPT	VFDENESLLLED	
MM_000	540	550	560	570	580	590	
•	340						
	590	600	610	620'	630	640	
CEO.	AT DODTORDEN	IDKEDTDCQA	SNKMYSING	YMYGNLPGL	DTCLGDNVL	WHVFSVGSVEDL	* *
NB4 000	MT DMFTTA PDC	MOKEDEDFOE	SNKMHSMNO	FMYGNQPGL	TMCKGDSVV	MIDESAGIDIE	
MM_000	600	610	620	630	640	650	
	000						
	650	660	670	680	690	700	
SEQ	HCIVESCNTET	SLGARRDTIP	MFPYTSQTI	LMTPDSIGT	FDLVCMTIK	HNLGGMKHKYHV	
				• • • • • • • •	: : . :		
NIM OOO	HCIVESCNTYI	WRGERRDTAN	LFPQTSLTI	LHMWPDTEGT	FNVECLTTD!	HYTGGMKQKYTV 710	
NM_OOO	660	670	680	690	700	710	
	000						
	710	720	730	740	750	760	
SEQ	BOCCKBMBDO1	OVOEEKTITT	IAAEEMEWI	OYSPSRKWEN	ELHHLRREN	QTSMYVDRSGTL	•
					:::::::::::::::::::::::::::::::::::::::		
NIM OOO	MOCRROSEDST	FYLGERTYY-	IAAVEVEWI	OYSPQREWEK	FDUUDĞEĞM	A DIALIT DELICES -	
MH_000	720	730	740	750	760	770	
						000	
,	770	780	790	800	810	820	
SEQ	LGSKYKKVLYF	ROYDDNTFTNC	TKRNEGEKI	HLDILGPLIL	LNPGQIIQI	IFKNKAARPYSI	
NM 000	TGSKYKKVVYI	ROYTDSTFRVE	VERKAEEE	HLGILGPQLH	ADVGDKVKI	IFKNMATRPYSI 830	
MM_000	780	790	800	810	820	830	
	, 50						
	ጸጓበ	840	850	860	870	880	
CEO.	830	840	ΥΥΨΩΤΡΟΙ	RTGPTSLDFE	CIPWFYYST	VSVAKDLHSGLV	
SEQ	HAHGVKTNNST	TVVPTQPGEIC	OIYTWQIPD	RTGPTSLDFE	CIPWFYYST	VSVAKDLHSGLV	
	HAHGVKTNNST	TVVPTQPGEIC	OIYTWQIPD	RTGPTSLDFE	CIPWFYYST		

910 900 890 GPLSVCR----KDINPN-IVHRVLHFMIFDENESWYFEDSINTYASKPNKVDKENDNFQL SEQ NM_000 GPLIVCRRPYLKVFNPRRKLEFALLFLVFDENESWYLDDNIKTYSDHPEKVNKDDEEFIE 910 920 900 940 950 960 970 980 990 SNQMHAINGRLFGNNQGITFHVGDVVNWYLIGIGNEADLHTVHFHGHSFEYKHKYLI NM_000 SNKMHAINGRMFGNLQGLTMHVGDEVNWYLMGMGNEIDLHTVHFHGHSFQYKHR 980 1000 970 960

995 residues in 1 query sequences 1008 residues in 1 library sequences Scomplib [version 3.3t05 March 30, 2000]

start: Wed Sep 18 11:16:31 2002 done: Wed Sep 18 11:16:32 2002

Scan time: 0.050 Display time: 1.417

Function used was FASTA